AX93501

2-channel IEEE-1394b PCI Express Card

User's Manual

Disclaimers

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CAUTION

If you replace wrong batteries, it causes the danger of explosion. It is recommended by the manufacturer that you follow the manufacturer's instructions to only replace the same or equivalent type of battery, and dispose of used ones.

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ESD Precautions

The cards are sensitive to static electricity. To prevent any electrostatic discharge damage, please take care of the following jobs with precautions:

- Do not remove the cards or components from their anti-static packaging until you are ready to install them.
- Before holding the cards or components, touch an unpainted portion of the system unit chassis for a few seconds. It discharges static electricity from your body.
- Wear a wrist-grounding strap, available from most electronic component stores, when handling cards and components.

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Table of Contents

Disclaimers ..... **ii**
ESD Precautions ..... **iii**

CHAPTER 1 INTRODUCTION **1**
1.1 Features 2
1.2 Specifications 2

CHAPTER 2 HARDWARE REFERENCE **3**
2.1 Adapter Appearance 3
2.2 Adapter Dimensions 4
2.3 Hardware Installation 5

CHAPTER 3 INSTALLATION OF DRIVERS **7**

CHAPTER 1
INTRODUCTION

The IEEE-1394b interface is a serial standard bus for high-speed communication and isochronous real-time data transfer. The IEEE-1394b transfer rate is up to 800Mbps and device distances can now be up to 100 meters.

The **AX93501** supports two channel IEEE-1394b ports on a PCI express x1 card. The **AX93501** provides IEEE 1394b bilingual connectors with locking screw for reliable connection between the **AX93501** and devices, such as camera, hard drive, RAID, and complaint IEEE 1394a device. It also supports plug and play connectivity for IEEE 1394.b devices and peripherals.

1.1 Features

- **2-channel IEEE-1394b Fire Wire 800**
- **PCI Express x1 compliant**
- **High-speed transfer rates up to 800Mbps**
- **Locking screw connector**
- **Supports Plug and Play**

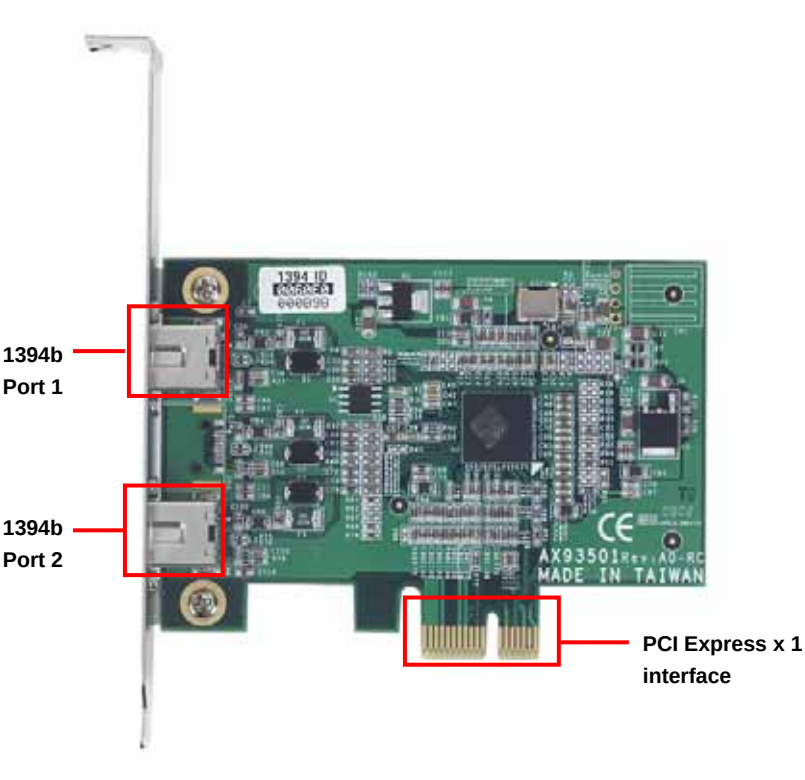
1.2 Specifications

- **Bus**
  - PCI-Express X 1 lanes
- **Connector**
  - Two 9 pin IEEE 1394b connectors with locking screw
- **Operation Temperature**
  - 0°C ~ 60°C
- **Humidity**
  - 0% ~ 90%
- **Certification**
  - CE
- **Support O.S.**
  - Microsoft Window® XP, Window® Vista
- **Dimensions (W x H)**
  - 93.98mm x 64.4mm

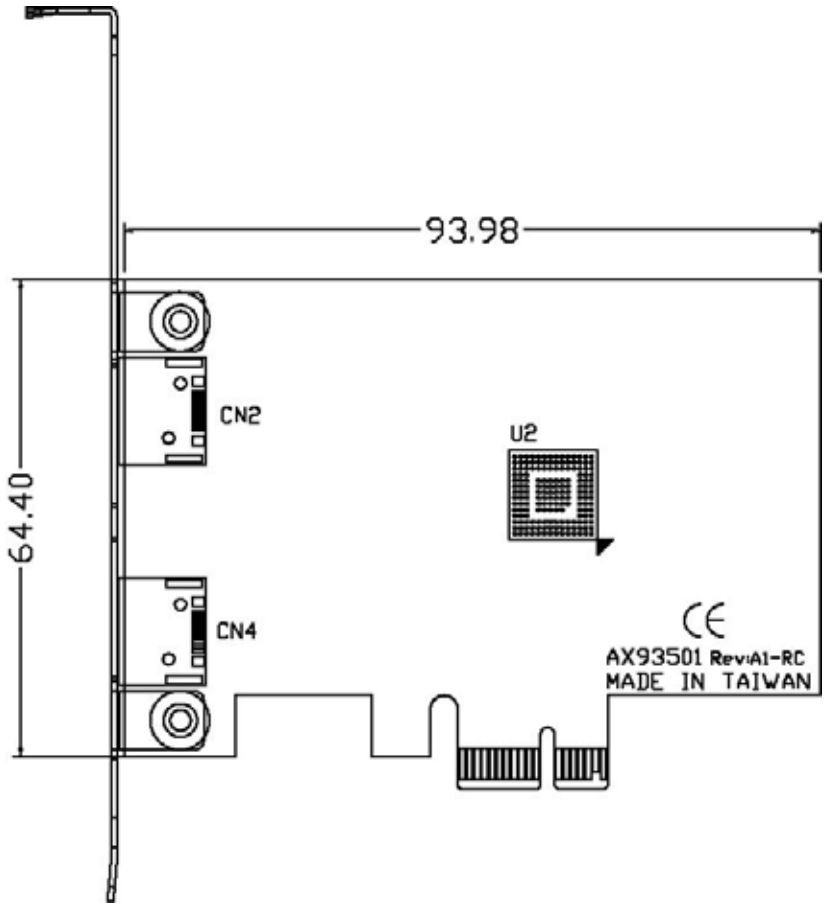
NOTE *All specifications and images are subject to change without notice.*

CHAPTER 2
HARDWARE REFERENCE

2.1 Adapter Appearance



2.2 Adapter Dimensions



2.3 Hardware Installation

Please follow these steps to install the **AX93501** card on the PCI express bus:

1. Remove the computer cover using the instructions from the computer manual.
2. Check that there is an empty PCI express slot. If there is not an empty slot, remove a PCI express board from the computer to make room for the **AX93501** card and take note of the chosen slot number.
3. Remove the blank metal plate located at the back of the selected slot (if any). Keep the removed screw to fasten the **AX93501** card after installation.
4. Carefully position the **AX93501** card in the selected PCI express slot as illustrated below. If using a tower computer, align the board with the board slots.
5. Press the board firmly, but carefully into the connector.
6. Anchor the board by replacing the screw.
7. Connect device via 1394b connector.
8. Turn on the computer.

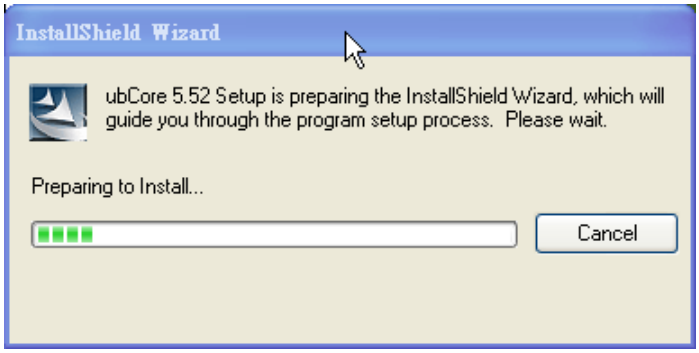
NOTE *The **AX93501** can be installed in a PCI express x1, x4, x8, and x16 slot.*

MEMO

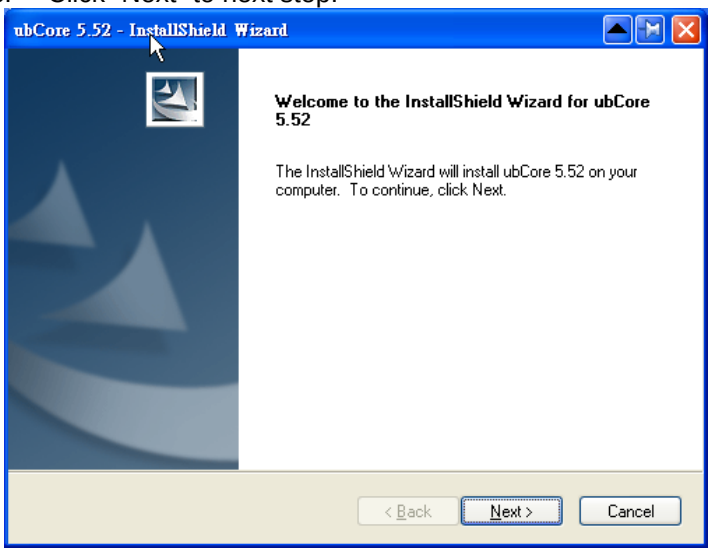
CHAPTER 3
INSTALLATION OF DRIVERS

Installing Chipset Driver

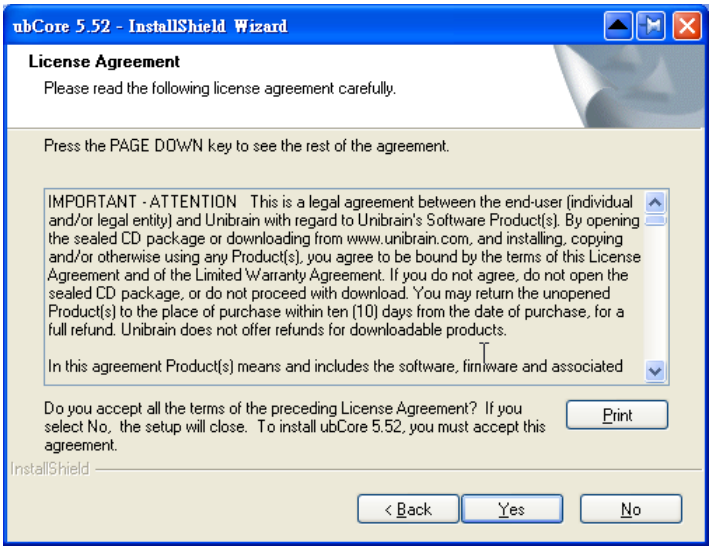
1. Please visit http://www.unibrain.com/download/download.asp download ubCore version x.xx for Windows driver. (Notice: don't get ubCorePro verion driver)
2. Run the ubCore.EXE program.


InstallShield Wizard
ubCore 5.52 Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
Preparing to Install...
Cancel

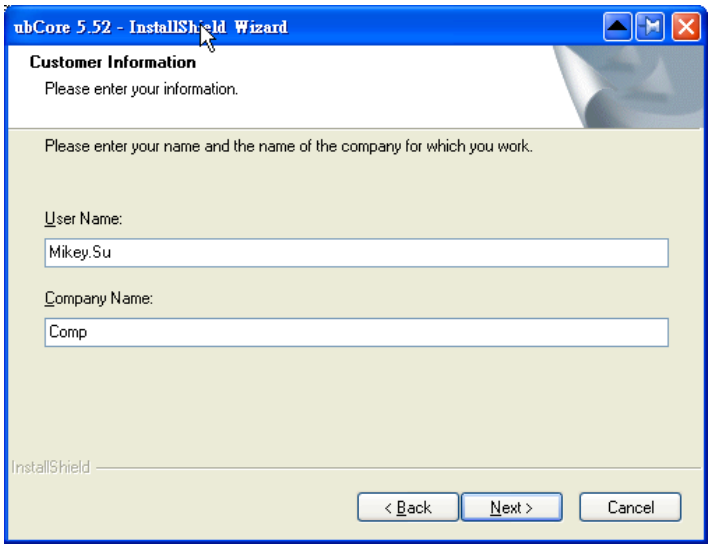
3. Click "Next" to next step.


ubCore 5.52 - InstallShield Wizard
Welcome to the InstallShield Wizard for ubCore 5.52
The InstallShield Wizard will install ubCore 5.52 on your computer. To continue, click Next.
< Back
Next >
Cancel

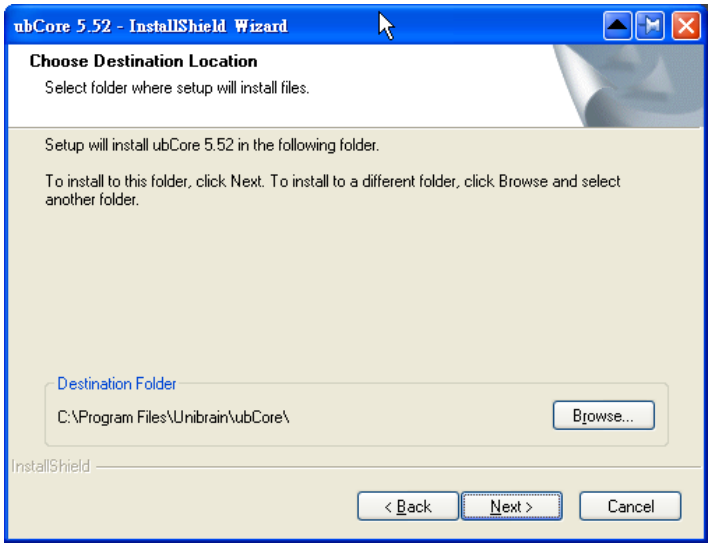
4. An Unibrain® License Agreement appears to show you the important information. Click "Yes" to next step.


ubCore 5.52 - InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
Press the PAGE DOWN key to see the rest of the agreement.
IMPORTANT - ATTENTION This is a legal agreement between the end-user (individual and/or legal entity) and Unibrain with regard to Unibrain's Software Product(s). By opening the sealed CD package or downloading from www.unibrain.com, and installing, copying and/or otherwise using any Product(s), you agree to be bound by the terms of this License Agreement and of the Limited Warranty Agreement. If you do not agree, do not open the sealed CD package, or do not proceed with download. You may return the unopened Product(s) to the place of purchase within ten (10) days from the date of purchase, for a full refund. Unibrain does not offer refunds for downloadable products.
In this agreement Product(s) means and includes the software, firmware and associated
Do you accept all the terms of the preceding License Agreement? If you select No, the setup will close. To install ubCore 5.52, you must accept this agreement.
Print
InstallShield
< Back
Yes
No

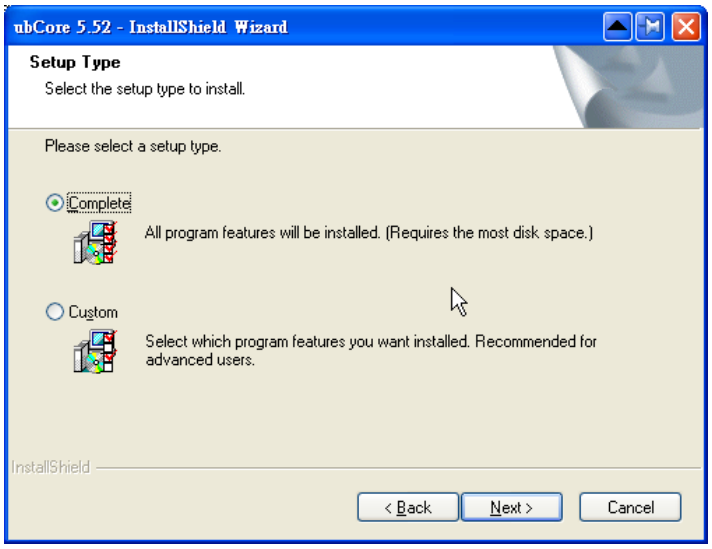
5. Please enter your information below:



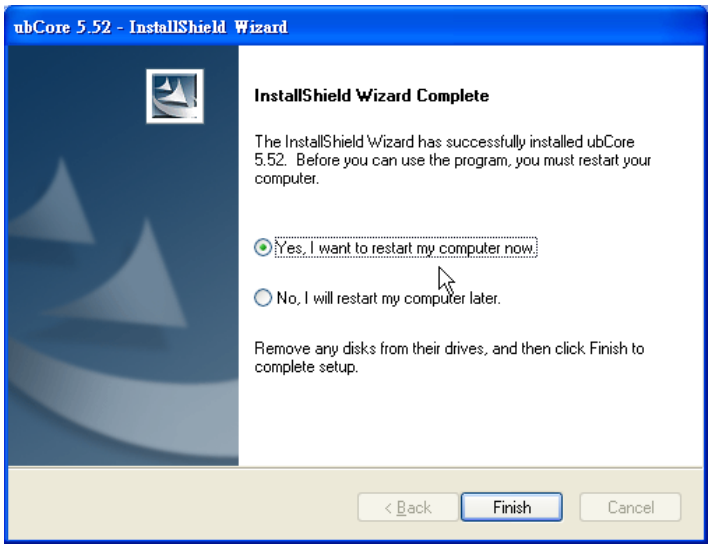
6. Select destination folder, click "Next" to next step.


ubCore 5.52 - InstallShield Wizard
Choose Destination Location
Select folder where setup will install files.
Setup will install ubCore 5.52 in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\Program Files\Unibrain\ubCore\
Browse...
InstallShield
< Back
Next >
Cancel

7. Select setup type:


ubCore 5.52 - InstallShield Wizard
Setup Type
Select the setup type to install.
Please select a setup type.
Complete
All program features will be installed. (Requires the most disk space.)
Custom
Select which program features you want installed. Recommended for advanced users.
InstallShield
< Back
Next >
Cancel

9. Click "Finish" to complete the setup process. And restart your computer.


ubCore 5.52 - InstallShield Wizard
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed ubCore 5.52. Before you can use the program, you must restart your computer.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
< Back
Finish
Cancel